



GO AHEAD, GET AHEAD

IEC YOUNG PROFESSIONALS 2013 WORKSHOP DRAFT AGENDA



SUNDAY 20 OCTOBER

19.30 – 21.00 Welcoming reception

MONDAY 21 OCTOBER – DAY ONE

8.30 – 10.15 Plenary opening, *K. Wucherer*
Welcome message, *F. Vreeswijk*
About the Young Professionals Programme, *K. Fraga*
Message from the 2012 Young Professional Leaders, *M. Souvannarath*
Working and looking forward with the IEC, *P. Lanctot*

10.45 – 12.30 About Conformity Assessment, *D. Hanlon*
Special session on the CAB meeting, *D. Hanlon*
Morning wrap-up, *R. McLaren*

12.30 – 13.30 *Lunch with the SMB members*

13.30 – 15.15 What to expect at a technical meeting, *P. Lanctot*
Q&A session on IEC operations, *Moderated by P. Lanctot,*
panellists: D. Chew, A. Santos, P. Sebellin
An outline of the IEC structure and membership, *F. Vreeswijk*

15.45 – 17.30 Breakout session – Part 1
Day one wrap-up, *R. McLaren*

IEC General Meeting Opening Ceremony

TUESDAY 22 OCTOBER – DAY TWO

- 9.00 – 10.30** Observe a designated technical meeting
- 11.00 – 11.30** Systems and Smart Grids, *R. Schomberg*
- 11.30 – 12.30** Special session on the SMB meeting, *P. Lanctot*
- 12.30 – 13.30** *Lunch with the CAB members*
- 13.30 – 17.30** You and the IEC, *J. Sheldon*
Breakout session – Part 2
Day two wrap-up, *R. McLaren*
Standardization: a necessary evil or a strategic advantage, *P. Coebergh*
Plenary closing session, *J. Nomura*
- 19.30** Young Professionals' dinner

WEDNESDAY 23 OCTOBER – DAY THREE

- 7.30 – 8.30** *Breakfast with your National Committee*
- 9.00 – 10.30** Interactive sessions
- Case study in Ultrasonics: Achieving Goals via the Politics of International Standards, *J. Abbott*
- Conformity Assessment for explosive atmospheres, *R. Wigg*
- IEC standard developing processes, *P. Lanctot*
- Your next steps, *J. Colby, J. Rosales*
- 10.45 – 12.30** Open Space session, *J. Colby, M.C. Ehrhard, J. Rosales, F. Rumph, M. Souvannarath*
- 12.30 – 13.30** *Lunch*
- 13.30 – 17.00** Industry visit to Osram Industries or Indoasian Industries
- 17.00 – 18.00** Closing coffee
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BACKGROUND ON THE SPEAKERS



Klaus Wucherer - IEC President

Dr Wucherer became IEC President on 1 January 2011, for a three-year term. He was President of the German National Committee until 2008 and, having been president of VDE - the German Association for Electrical, Electronic & Information Technologies - from 2003 to 2005, remained a member of the supervisory board until 2009. He worked for Siemens for more than 30 years, serving as a member of the executive committee in the later years. Until 2011 he was chairman of the board for Infineon Technologies AG, at present he holds a board position at Fraunhofer Institut and is a board member at several other companies.



Frans Vreeswijk – IEC General Secretary & CEO

Mr Frans Vreeswijk became IEC General Secretary and CEO on 1 October 2012, having served as Deputy General Secretary since 1 March 2012. Prior to joining IEC Central Office, he worked for 30 years for Philips in the Netherlands, Austria and the USA, notably in research, healthcare and consumer electronics areas. Previously he was President of the Dutch National Committee of the IEC (NEC) and has served on the IEC Council Board (CB) and Standardization Management Board (SMB) as well as representing the Netherlands in CENELEC.



Katharine Fraga – Administrative Officer to the General Secretary

Working for the IEC since 2004, Katharine was originally involved in the IEC's conformity assessment activities before moving to the General Secretary's office in 2008, holding responsibilities associated with the IEC's members and with management bodies. Currently she is Secretary of the Council, Council Board, Executive Committee and the Finance Committee and is the manager of the Young Professionals Programme.



Manyphay Souvannarath – IEC 2012 Young Professional Leader

Manyphay Souvannarath started her career at a local utility in Michigan after receiving her Bachelors in Biochemistry and Computer Science. At the utility she served as the Environmental Specialist, Internet Technology Specialist, Programmer/Analyst and finally as the Information Technology Applications Manager. Her eight years of service included network management, software development, database design and implementation, system and business analyst, and resource management. In 2010 she joined GE Energy as the Senior Systems Engineer within the Systems Engineering group. Her role in this position included systems engineering lead and architect for various Smart Grid projects. She was then promoted to Senior System Analyst within the GE GridIQ™ software as a service team. She also serves on the board for the INCOSE (International Council on Systems Engineering) Atlanta Chapter. She has recently completed her MBA at Grand Valley State University and continues on the path of continuous improvement and learning.





Peter Lanctot – MSB Secretary

Peter Lanctot is the Secretary of IEC's Market Strategy Board, (MSB), which is comprised of top-level technology officers appointed from industry that identifies the principal technological trends and market needs in the IEC's fields of activity. He is located in the IEC North American Regional Center near Boston.

Peter is also the Secretary of three other groups within the IEC:

- Strategic Group 3 (SG3), Smart Grid, which delivers advice, coordination, and practical tools for the IEC in developing a long term strategic plan for new and existing standards-work within the Smart Grid domain;
- Systems Evaluation Group on Smart Cities, which leads a collaborative approach with other technologies and non-IEC stakeholders to sort out challenges and strategic issues for efficient, livable, and sustainable cities;
- Strategic Group 6 (SG6), Electrotechnology for Mobility, which provides recommendations for an IEC strategy encompassing the complete domain of automotive electrotechnics and electromobility.

Peter began his IEC career in 2004 as a Technical Officer and has been a contributor to the Young Professional Workshop since its inception in 2010. He has over 25 years of experience in multinational companies, and holds a MBA in International Business and a Bachelor's degree in Electrical Engineering.



David Hanlon – CAB Secretary

Before becoming the Conformity Assessment Board (CAB) Secretary in 2012, David Hanlon worked with IEC technical committees as a Technical Officer. David has a Bachelor in Electrical Engineering from the UNSW in Sydney Australia and an Executive MBA in Management of Technology (MoT) from the EPFL in Lausanne Switzerland. Prior to joining the IEC, David's 30 years career spanned diverse professional experience in technical, commercial and management areas across 3 continents mainly in international SMEs focused on industrial manufacturing including his own 10 year start-up during the 1990s.



Robert McLaren – IEC Young Professionals programme coordinator

Robert McLaren studied International Relations at the Graduate Institute of International studies in Geneva, Switzerland. He then worked in Marketing for a global company before joining the IEC in 2012. He is currently working in the Central Office as the IEC Young Professionals programme coordinator and will be running the workshop in New Delhi.



Dennis Chew - Regional Director, Asia-Pacific Regional Centre

Dennis Chew has been actively involved in international and regional standardization and related work for more than 15 years. He had served as the Secretary to the Singapore National Committee of the IEC before setting up the IEC Asia-Pacific Regional Centre (IEC-APRC) in 2002.

As Regional Director of the IEC-APRC, Dennis has been actively promoting the IEC and encouraging the use of IEC international standards and conformity assessment systems to both industry and government bodies across the Asia-Pacific region.

Dennis has extensive knowledge and experience on standards and conformance infrastructure and developments in APEC and ASEAN, having been involved in the development and implementation of the ASEAN Harmonized Regulatory Regime for Electrical and Electronic Equipment, regional Mutual Recognition Arrangements and the regional harmonization of standards and regulatory requirements.



Amaury Santos - LARC Regional Manager

IEC Latin America Regional Manager since 2006. Electrical Engineer, Bachelor of Civil Law, Specialization in International Business and Trade with over 20 years of professional experience in multinational companies in the commercial areas of business and technical products and systems for low, medium, high and extra high voltage equipment and systems.



Pierre Sebellin - Technical Officer

Engineer (MS) in Electronics and Mechatronics with over 20 years of international experience in the machine industry. Holds various management positions in Marketing and R&D on metrology software, Electric discharge machines, and factory automation products. Joined the IEC as a Technical Officer since 2011.



Richard Schomberg - EDF Group, VP Smart Energy Standards

Richard Schomberg is currently Chairman of TC8 “System aspects for energy delivery”, PC118 “Smart Grid User Interface”, and chairs the IEC Smart Grid Strategic Group [<http://www.iec.ch/zone/smartgrid/>].

Recipient of the IEC 2011 Lord Kelvin award, he has designed multimillion dollars complex systems for critical operations. He has been for 6 years Professor of Master degree System Engineering at Ecole Supérieure d'Electricité (Paris), and Chair of the Intelligrid Architecture and Strategy Committee (Electric Power Research Institute – recipient of the Chauncey Starr Award 2005). He has been appointed member of the Technology Advisory Board of Southern California Edison Smart Grid and SmartConnect, emeritus member of the US DoE Gridwise Architecture Council. Past Chair of the NIST SGIP T&D Domain Expert Working Group.

Richard Schomberg had the responsibility of EDF R&D activities in North America (strategic innovation partnerships with scientific/industrial players). He has been sourcing and transferring innovations to EDF Group in Europe. He is currently in charge of developing the strategy and coordinating Smart Energy Standardization activities across EDF Group.



Jack Sheldon - Standardization Strategy Manager

Jack Sheldon has worked at the IEC since 1983 and initially worked in standards development with responsibility, amongst others, for the creation of IEC/TC 100 (Multimedia systems and equipment). He was influential in the transformation of the IEC from a paper-based to a paperless organization and was instrumental in setting-up TISS, the IEC's helpline to its community. More recently he was responsible for setting up the IEC's Market Strategy Board, responsible for medium to long term market and technology overview.

He currently occupies the position of Standardization Strategy Manager, which includes the secretariat of the SMB (Standardization Management Board), and is responsible for Strategic Development in the IEC.

Prior to joining the IEC he worked as an electronics engineer in a number of IT and telecommunications companies in the United Kingdom, France and Germany.

Born in 1954, Jack Sheldon has an MA in Natural Sciences from Cambridge University and an MBA from the Open University.



Paul Coebergh van den Braak – Philips, IP&S Manager Healthcare, Senior Director

Paul Coebergh van den Braak is with Philips Intellectual Property and Standards where he is globally responsible for support on formal standards and regulatory affairs at corporate level. He is chairman of the BUSINESSEUROPE working group for Free Movement of Goods on the Internal Market. In this duty he is also industry observer on the GPSD committee. Further he is president of the Dutch electro technical standardization committee and in this duty member of the IEC Standardization Management Board and Council Board as well as head of delegation to the CENELEC general assembly.

Next to the above he is responsible to set up and execute a program of standardization activities for the Philips healthcare businesses to leverage technology and innovations, complementing the standardization work driven by the business groups.

He holds masters in Mathematics and Business Administration and has over 30 years of experience in various companies including products, projects and service businesses, small, mid-size and large companies, and professional as well as consumer markets.

The majority of his career he was in various managerial positions in product and technology development. He holds his present position since mid-2006.



Junji Nomura – IEC President-Elect

Dr Nomura became IEC President-Elect on 1 January 2013, and will become the President of the IEC from 2014 for a three-year term. Having been CTO since 2004, Dr Nomura is currently the Corporate Advisor, Energy Solution Business Promotion, at Panasonic Corporation. He was a member of the industrial association LonMark International until 2004 and is currently a member of the industrial technology committee of Nippon Keidanren and of, among others, a study group within the Japanese Ministry of Economy, Trade and Industry. He is also a Fellow of the Operations Research Society of Japan.



John Garnet Abbott – Principle Consultant, John Abbott Consulting

John G. Abbott, Ph.D. provides consulting and training services on International Standards, regulatory processes, ultrasound metrology and general engineering management. He works with international regulatory agencies, government officials and industry associations to encourage the use of International Standards in their regulatory systems and regularly participates in International Standards workshops. He is a dedicated advocate for International Standardization and presently serves as chairman of IEC 87, *Ultrasonics*; co-convenor of IEC SC62B, *Diagnostic Imaging Equipment*, Maintenance Team 34; and is a US expert for IEC TC76 as well as several ISO committees. His hands-on experience in forums around the globe has enabled him to make tremendous contributions to improving standardization processes and fostering medical device safety.



Ralph Wigg - Compliance Professional, E-x Solutions International Pty Ltd Adelaide, Australia

Ralph Wigg operates his own company E-x Solutions International Pty Ltd providing services to the Hazardous Area Industries as a Compliance Professional. His background is in Electrical Power Engineering having more than 50 years' workplace experience with an involvement of more than 35 years in Hazardous Area equipment gives him the ability to speak with authority on this subject.

Currently chair of several Standards Australia Hazardous Areas Committees and past chair of Committee EL014 Electrical Equipment for Hazardous Areas. He was Chair the IEC Technical Committee SC31H for Combustible Dusts and continues to convene this work since it was transferred to a Working Group. His goal is to make standards practical for the electrical industry. The commitment to international work sees him as a long term Australian delegate to the TC31 Committee and a member of more than 20 Maintenance Teams & Working Groups of which he convenes two.

In addition Ralph has been active in the IECEx System from its inception and was appointed as inaugural Chair of the IECEx ExPCC for the Certificate of Personnel Competence. With qualifications in both 'Workplace Training and Assessment' and Quality System auditing, plus his expert knowledge in Hazardous Area requirements, he is well placed to undertake this role. Ralph was a recipient of the prestigious Standards Australia International "Standards Award" in 1997 and in 2007 had the honour of receiving the IEC "1906 award" which is given 'to those experts who have made exceptional contributions to IEC work.'



Jonathan Colby – IEC 2011 Young Professional Leader

Jonathan is a Hydrodynamic Engineer with Verdant Power. He has been with the company since 2006, after completing a Master's Degree in Aerospace Engineering at the Georgia Institute of Technology. As a member of the company's Engineering and Resource Assessment Teams, his work includes turbine blade design, hydrodynamic modelling, data processing and analysis, fieldwork, and general turbine operation responsibilities for both US and International projects. He is a U.S. representative on TC114, Marine Renewable Energy, as a subject matter expert developing standards for the assessment of power performance for Tidal Energy Convertors, among others. He also serves as a subject matter expert on CAB WG15, working to develop a conformity assessment scheme for the Marine Renewable Energy industry at large. Jonathan is also actively involved with the US National Committee and in outreach with organizations and universities in the New York City area and across the United States.



Juan Rosales – IEC 2010 Young Professional Leader

After graduating in Industrial Engineering in 2004, Juan worked for five years at the Mexican national standards body (ANCE) as Chief of Standards for Household and Similar Appliances and was a Technical Secretary of the Mexican national technical committee 61.

Currently Juan is the Regulatory Affairs Intelligence Leader at one of the leading appliances manufacturers in America (mabe). Additionally, Juan is a Technical Expert for the Mexican

Accreditation Entity, President of the Appliance's Section for the Mexican Chamber of Electrical Manufacturers and Chairman of the Mexican Standards Committee for Household Appliances – mirror to IEC TC 61. In 2012 he completed a Master Degree in Administrative Engineering.



Ehrhard Marie Caroline – IEC 2012 Young Professional Leader

Marie works for EDF, the French utility company, as an Instrumentation and Control (I&C) Engineer. She has been with the company since 2009 after completing a graduate engineering school diploma and an MSc in environmental systems engineering. Her job focuses on the development of new nuclear production plants, more specifically the licensing of its I&C systems and architecture. As part of her activities she uses IEC / SC 45A standards to evaluate suppliers' systems and solutions and as a basis for dialogue with national safety bodies. IEC I&C standards represent the recognized state of the art and are therefore a crucial source of commonly accepted methods and goals. Marie is also involved in several professional networks and in volunteer work with under privileged children.



Rumph Frens Jan – IEC 2012 Young Professional Leader

Frens Jan works as a researcher and consultant in the field of Smart Grids at TNO and has a background in computer science. His main expertise is in information modeling, algorithm and protocol development for ICT, intensive service delivery architectures and service enabling technologies. The application area he performs his research in includes demand and supply management systems, new energy services as well as their operation and management. He also uses his research in aiding governments, energy suppliers, energy services providers and grid operators in development of products, services and related regulations. Furthermore, he participates in national and international standardization of communication and information specifications for Smart Grids and Electric Mobility. He is a member of the Dutch national mirror committees of IEC TC 57 and TC 69 and also of the 'reference architecture' working group of CEN, CENELEC and ETSI's Smart Grids Coordination Group.